

**Bateman and Companies, Inc.**  
347 Madison Avenue  
NEW YORK CITY

**IRON AGE**

Cultivators, Potato Machinery, Shavers, Garden Tools

**Clark**

"Cutaway" Harrows, Cider Mills, Tobacco Presses

**W**

"Easy-Pull" Manure Spreaders, Mowers, Tedders

**W**

Plows, Scrapers, Wheelbarrows, etc.

**McWhorter**

Lines and Fertilizer Distributors, Potato Planters, Seed Drills

**Robertson**

Plows, Corn Huskers, and small farm implements

**Acme**

Pulverizing Harrows, Cultivators, Weeds

*District Sales Headquarters:*  
Greenloch, N. J. Worcester, Mass.  
New York City

Form A.17



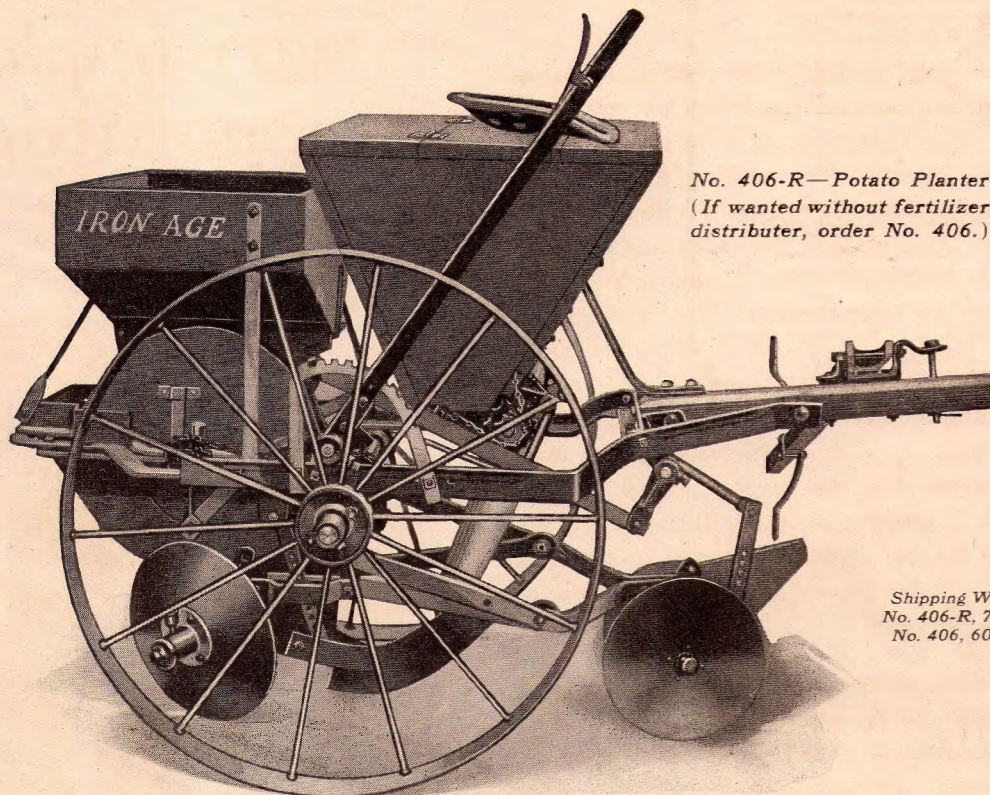
# The NEW IRON AGE way to plant potatoes



By Allen Bateman Mfg. Co. Inc. (Incorporated)



## IRON AGE No. 406—One-Man Potato Planter



*No. 406-R—Potato Planter  
(If wanted without fertilizer  
distributor, order No. 406.)*

*Shipping Weight:  
No. 406-R, 710 lbs.  
No. 406, 600 lbs.*

**T**HE latest addition to the celebrated line of IRON AGE potato machinery. Does the same excellent ground-work as the well-known IRON AGE 100% Planter, and as nearly perfect planting as any automatic machine can do. We frankly admit that this is not a 100% planter. We do claim it to be as nearly perfect as any automatic machine can be, but because of the irregular sizes of the pieces of potatoes it is mechanically impossible to plant potatoes 100% correctly except as you bring into use the human hand.

The entire operation of planting potatoes with the No. 406 IRON AGE Automatic Planter is done by one man. A single lever, operated from the seat, throws the entire machine into operation, lowering the opening discs, the grooving shoe, and the rear covering discs; also starts sowing of the fertilizer and the dropping of the potatoes. This lever is used for lifting discs and gangs out of the way of large stones or for turning at ends of rows. The machine is balanced in such a way as to take the weight off the horses. The planting is done directly between the wheels in order to insure even



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NEW YORK CITY 84 YEARS IN BUSINESS

depth of planting regardless of the unevenness of the ground. All parts of the machine are easily accessible.

The furrowing, sowing of the fertilizer, placing of the seed, and covering operations are very similar to the same operations as done by the IRON AGE 100% Planter. The opening discs are set well forward and leave a ridge down the middle of the furrow. The fertilizer is sowed along the sides of this ridge by means of four rubber tubes which can be set at any angle desired. The little ridge is then split through by the shoe which makes a groove for the seed and throws the soil over to each side in such a way as to mix thoroughly the fertilizer with it. The seed-piece being then released, drops into the furrow, where it does NOT come in contact with the fertilizer and is covered by the rear discs as they ridge up the row. The detail of this ground work is illustrated in the cuts on the right.

The method of selecting the seed-pieces and feeding them into the potato tube is a new invention. It consists of a large, slow-moving wheel passing through the agitator chute. Spring pickers, operated by cams, take up the seed-pieces one at a time and carry them over to the potato tube, where they are released according to the spacing desired. The repairing of the picker wheel is a simple matter. Any one of the arms can be removed in a few minutes if necessary to replace a badly bent point or make a repair.

The depth of planting is the same throughout the job as set. The principal adjustments are easily made by means of holes in the connecting links which support the rear gang. The depth is adjusted in a lesser degree by means of the

This Wonderful  
Ground-Work  
has made the  
IRON AGE Planter  
Celebrated

#### 1. OPENING PLOW.

*Leaves a small ridge down the middle of the furrow. Blade between discs holds all trash firmly against ground, helping discs to cut through easily, and to avoid clogging.*

#### 2. FERTILIZER TUBES.

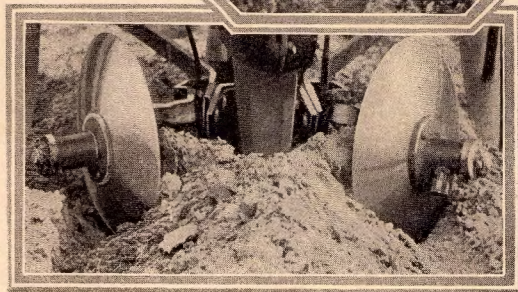
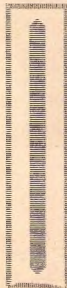
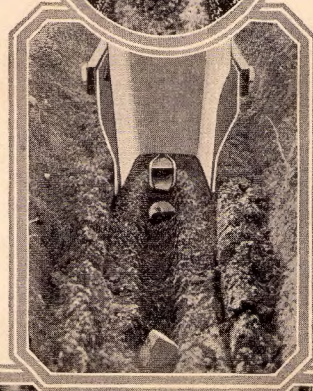
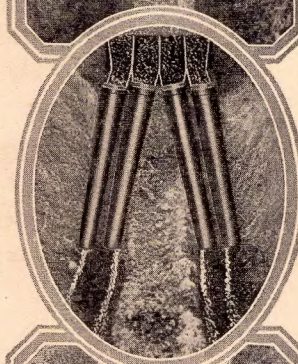
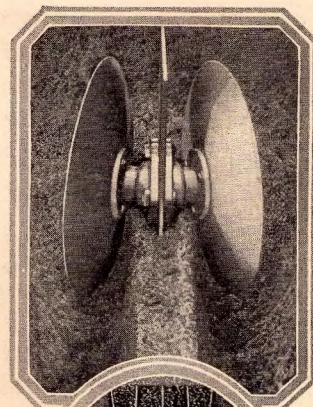
*Four Unbreakable Adjustable Rubber Spouts. Spreads fertilizer on each side of ridge as desired, where it is covered and mixed with soil by next operation.*

#### 3. PLANTING SHOE.

*Splits ridge, mixing fertilizer thoroughly with soil on each side. Makes groove for potato where it cannot come in contact with fertilizer. Plants exactly in a line and at exact depth desired.*

#### 4. COVERING DISCS.

*Adjustable as to width, angle and depth. Makes up ridge in any way desired. Insures perfect covering.*





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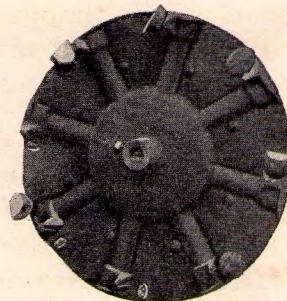
lever. The covering discs at the rear can be set for width, angle and depth. They cover thoroughly and evenly from both sides and ridge as desired.

The distance between seed is regulated by the use of different size sprockets, which are furnished. With these the distance can be made 10, 12, 14, 16, and 20 inches apart. The fertilizer is regulated by opening or closing the gate at the front of the hopper.

A simple but very practical marker is supplied, which can be very quickly changed from side to side.

**SIDE DRESSING AND RIDGING.** The IRON AGE Planter can be used for making a second application of fertilizer, covering it, and ridging the rows, all at the same time. For this work,

the fertilizer spouts are divided, two being placed on each side of the row, and the rear discs are set at the desired width and depth. The opening plow can be quickly and easily removed.



*The newly invented picker wheel that made it possible*

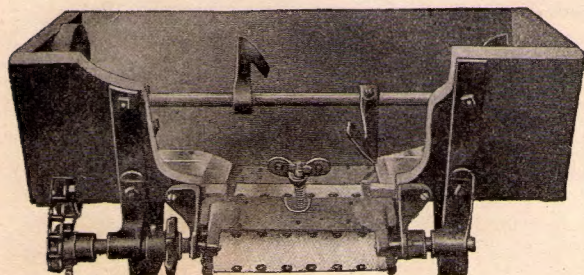
## ROW MAKER.

The IRON AGE

Planter can also be used as a row maker for tomatoes, sweet potatoes, and various other crops. This machine will open its own furrow in prepared ground, sow the fertilizer and mix it thoroughly with the soil as it covers it, making up the list and marking the next row, all in one operation. Hills can be ridged high, medium or flat as desired.

## Fertilizer Attachment

**T**HE fertilizer attachment used on the new IRON AGE Automatic Potato Planter is of the same construction as that used in the well-known line of McWhorter Lime and Fertilizer Distributors. Its most prominent feature is the **FORCE FEED BELT**, shown in the illustration. This belt carries the fertilizer in a



*Sectional View of Fertilizer Hopper, showing Belt Force Feed and Opening Gate. Note ease of regulation*

broad, thin sheet, under the adjustable gate in front, at which point the fertilizer drops to the ground through the rubber spouts. The amount of fertilizer permitted to pass through the gate is regulated by a single thumbscrew adjustment. This feed is always positive. It cannot be clogged, because the belt is a revolving bottom for the hopper, too wide to permit damp fertilizer to bridge over it. No lumps can pass beneath the gate to clog up the spouts. The rivets on the belt act as drags, cutting and grinding the lumps into fine powder. The belt is of heavy canvas, reinforced with steel cross bars attached to sprocket chains on each side. The canvas is firmly riveted to this framework. All parts that come in contact with fertilizer are easily accessible for cleaning. The adjustable spouts are made of rubber, eliminating breakage, bending or rusting. Each spout is movable, and can be adjusted to any desired position.